

ACS PRE-DEPARTURE MODING CONFIGURATION

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NOTE

Set/Configure Pending Back Off timer a minimum of one hour before undocking. Software default and program minimum allowable time is 10 seconds.

PCS

1. VERIFY ACS MODING ROLE CONFIGURATION

MCS: ACS Moding

ACS Moding

'ACS Configuration'

NOTE

1. Moding the NCS software to FULL allows the NCS MDMs to monitor both sets of PMA docking sensors.
2. The following Partial indication is a 2A known display error and actually indicates a Moding Role of Full.
3. Commanding of Primary NCS Moding Role to Full requires command to be sent from Secondary NCS Moding Role command button. Commanding of Secondary NCS Moding Role requires a similar command from the Primary NCS Moding Role command button.

√Moding Role Primary NCS - Partial

√Moding Role Secondary NCS - Partial

If Primary/Secondary NCS Moding Role does not read Partial, then the following commands should be sent

sel Moding Role

sel Moding Role Primary NCS - Command

cmd Arm Execute

√Moding Role Arm Primary NCS - X

sel Moding Role Secondary NCS - Command

cmd Arm Execute

√Moding Role Arm Secondary NCS - X

sel Moding Role Primary NCS - Command

cmd Full Execute

√Moding Role Secondary NCS - Partial

√Moding Role Arm Secondary NCS - Blank

sel Moding Role Secondary NCS - Command

cmd Full Execute

√Moding Role Primary NCS - Partial

√Moding Role Arm Primary NCS - Blank

2. VERIFY RUSSIAN SEGMENT MODE STATUS
 'ACS Configuration'
- √RS Mode Primary NCS - Drift
 - √RS Mode Secondary NCS - Drift
- PCS
3. VERIFY INITIAL ACS HW SIGNAL CONFIGURATION
 MCS: ACS Moding: ACS Moding HW Signals
ACS Moding HW Signals
- 'Departure'
- √PMA2 Interface Sealed N1-1, N1-2 NCS - X
 - √PMA2 Undocking Complete N1-1, N1-2 NCS - Blank
- PCS
4. VERIFY NCS SOFTWARE DEPARTURE EVENT STATUS AND CONFIGURATION
 MCS: ACS Moding
ACS Moding
- 'Departure'
- √Departure Event Primary, Secondary NCS - Blank
 - √PMA2 Interface Sealed Primary, Secondary NCS - X
 - √PMA2 Undocking Complete Primary, Secondary NCS - Blank
5. SET PENDING BACK OFF TIMER FOR ORBITER DEPARTURE
 'Departure'
- sel Pending Back Off Time Primary NCS - Command
cmd 10_Seconds Execute
 - √Pending Back Off Time Primary NCS: 00:10
 - √Back Off Time Arm Primary NCS - X
 - sel Pending Back Off Time Secondary NCS - Command
cmd 10_Seconds Execute
 - √Pending Back Off Time Secondary NCS: 00:10
 - √Back Off Time Arm Secondary NCS - X

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* If the Pending Back Off Time needs to be canceled or configured *
* later, disarm the current Pending Time as follows *
*
*   sel   Back Off Time Primary NCS - Command *
*   cmd   Cancel_Pending_Back_Off_Time Execute *
*   ✓Back Off Time Arm Primary NCS - Blank *
*
*   sel   Back Off Time Secondary NCS - Command *
*   cmd   Cancel_Pending_Back_Off_Time Execute *
*   ✓Back Off Time Arm Secondary NCS - Blank *
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PCS 6. INCORPORATE PENDING BACK OFF TIME
 MCS: ACS Moding

ACS Moding

 'Departure'

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sel Back Off Time Primary NCS - Command
cmd Incorporate_Pending_Back_Off_Time Execute
✓Back Off Time Arm Primary NCS - Blank
✓Back Off Time Primary NCS: 00:10
✓Countdown Timer Primary NCS: 00:10

sel Back Off Time Secondary NCS - Command
cmd Incorporate_Pending_Back_Off_Time Execute
✓Back Off Time Arm Secondary NCS - Blank
✓Back Off Time Secondary NCS: 00:10
✓Countdown Timer Secondary NCS: 00:10

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